

## TGR LEARNING LAB 2021 WINTER VIRTUAL CLASSES

January 19 - February 25  
Registration Deadline: **January 8, 2021**

At the TGR Learning Lab, we are focused on opening your mind to potential careers and college majors available to you. Instructors at the TGR Learning Lab, Anaheim site will be offering FREE virtual after-school classes for students across the nation. These classes will be offered to students in grades 6-12. We ask that by registering, you understand this is either a one-week (four day) or six-week (two days per week) commitment to yourself and your future. Your next step is to select the course(s) on pages 2 and 3 you would like to participate in and register using the Eventbrite links listed under each program.

We will be offering two different types of after-school programs. We will be offering one-week (four days) workshops that will focus on design challenges and require students to have the listed materials at home. These workshops will be Monday-Thursday from 4:30 pm – 5:30 pm EST. We will also be offering six-week long classes on either Monday/Wednesday or Tuesday/Thursday. These classes will be offered 5:00 pm – 6:00 pm EST. Please note this time reflects east coast time zone. Students can only participate in either the one-week or six-week long programs.

### **Technology Requirements:**

To participate in virtual Winter classes, each registered student will need a computer or device with internet connection. The Zoom video conferencing platform will be used to conduct the class, so this software needs to be downloaded prior to the class. It is also highly recommended that students have a webcam and microphone so that s/he can be active participants in the class. Some classes may require a tablet/cell phone to participate in certain activities.

Once a student has registered, a separate email will be sent with safety and security guidelines to review as well as Zoom access information a week before the class begins.

If you have any questions or concerns, please email Gyla Bell at [gbell@tgrfoundation.org](mailto:gbell@tgrfoundation.org). We hope to see you virtually this winter!

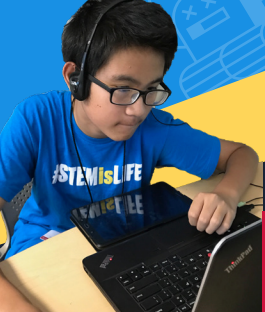
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### Winter Program Calendar

Term	Registration Deadline	Program Start Date	Program End Date
Winter Session 2021	January 8, 2021	January 19, 2021	February 25, 2021

\*No class the following days:

- Monday, January 18, 2021 (Martin Luther King Jr. Day)
- Monday, February 8, 2021 (Lincoln's Birthday Observance)
- Monday, February 15, 2021 (President's Day)



## TGR LEARNING LAB 2021 WINTER VIRTUAL WORKSHOPS

**One Week (3/4-day) Design Workshops - 4:30 pm – 5:30 pm EST**

Registration Link: <https://tgrllwinter21ecworkshops.eventbrite.com>



### **Build that Machine!**

January 19-21, 2021 (Tuesday-Thursday)

This week's project will focus on a simple machine design.

- Supplies needed: 1-2 plastic spoons, 5-10 rubber bands, cardboard tubes (toilet paper/paper towel), cup with beads



### **Solution Designs**

January 25-28, 2021

This week's projects will focus on designing solutions for real-world situations that will have you building a trampoline and a basketball shooter.

- Supplies needed: 1 ping pong ball, 2-3 plastic straws, 5 pipe cleaners, 5 popsicle/craft sticks, index cards, tape, 1 small paper/plastic cup, 1 colander, 20 rubber bands, 20 toothpicks, 6 binder clips, 1 piece of cloth the size of the opening of the colander, 1 golf ball

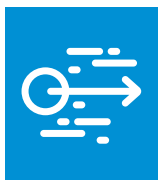


### **Make it Move!**

February 9-11, 2021 (Tuesday-Thursday)

This week's projects will focus on aerodynamics and flight that will have you building a parachute and a device that will go the distance.

- Supplies needed: 1 sheet of newspaper, 1 pair of scissors, tape, 1 24-inch-long piece of string, weights (pennies), 3 craft sticks, 1 sheet of paper, 5 paper clips, 1 binder clip, 1 paper cup, 1 sheet of circle labels, 1 12-inch-long piece of string, 3 marshmallows



### **Aerodynamics to the Rescue**

February 1-4, 2021

This week's projects will focus on designs that require movement of a can as well as cotton balls.

- Supplies needed: Cotton balls, 6 mailing labels, 3 two-foot-long pieces of string, 2 spaghetti noodles, 1 rubber band, 1 tennis ball (this cannot be altered)



### **Let's Build It!**

February 16-18, 2021 (Tuesday-Thursday)

This week's projects will focus on construction designs that will have you building a bridge and the tallest tower.

- Supplies needed: 1 sheet of newspaper, 12 inches of tape, 20 plastic straws, 1 small sheet of paper/foil, tape, scissors, ruler, pennies

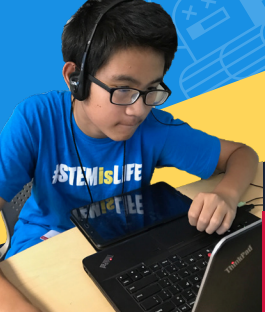


### **Solution Designs**

February 22-25, 2021

This week's projects will focus on designing solutions for real-world situations that will have you building a trampoline and a basketball shooter.

- Supplies needed: 1 ping pong ball, 2-3 plastic straws, 5 pipe cleaners, 5 popsicle/craft sticks, index cards, tape, 1 small paper/plastic cup, 1 colander, 20 rubber bands, 20 toothpicks, 6 binder clips, 1 piece of cloth the size of the opening of the colander, 1 golf ball



## TGR LEARNING LAB 2021 WINTER VIRTUAL CLASSES

### Six-Week Classes (Mondays/Wednesdays or Tuesdays/Thursdays)

Registration Link: <https://tgrllwinter21eclasses.eventbrite.com>



#### Photography: Visual Storytelling

A single photograph can capture a precious moment in time, change a perspective or even move a nation towards positive change. By creating your own themed digital photobook, we will explore how to capture photographs that tell a story, while using key photography composition techniques. Develop your ability to communicate creatively and critically as a visual storyteller, which will enhance the visuals in school projects, social media posts, a starting portfolio for a career in digital media and more!

#### Additional Technology Requirements:

1. Laptop/computer with internet access (webcam and microphone highly suggested)
2. Mobile photo-taking device (cell phone or tablet) with internet access
3. Goosechase, MoShow and Animoto apps downloaded (free apps)

#### Class Schedule:

Mondays/Wednesdays

- 5:00 pm – 6:00 pm EST



#### Graphic Design

A space for teens to explore the wonderful combination of technology and art. Graphic Design is all around us, both on screen and in print. In this course, students will discover how to apply various design principals in their own art and gain the tools to uncover new skills. We'll explore many of the wonderful online resources that exist for growing designers. So grab your laptop and come learn something new!

#### Additional Technology Requirements:

1. Laptop/computer with internet access (webcam and microphone highly suggested)
2. This class won't be using graphic design programs that require large downloads, we will only be exploring free, web-based resources.
3. Account creation may be necessary if students would want to save their work virtually.

#### Class Schedule:

Tuesdays/Thursdays

- 5:00 pm – 6:00 pm EST



#### Virtual Golf Classes

Registration Link: <https://tgrllwinter21ecgolf.eventbrite.com>

#### Golfology

Learn up-to-date golf fundamentals that can be applied to your game. Explore practice methods, basic ball flight laws and on-course strategies and techniques. This class can prepare you for high-level performance either for recreational or competitive play.

#### Technology Requirements:

- Laptop/computer with internet access (webcam and microphone highly suggested)

Mondays/Wednesdays: 6:30 pm – 7:30 pm EST